

0590  
0606

#5



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/039,831

DATE: 06/06/2002

TIME: 11:03:02

Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF3\06062002\J039831.raw

ENTERED

4 <110> APPLICANT: Weissleder, Ralph  
5 Tung, Ching-Hsuan  
6 Mahmood, Umar  
8 <120> TITLE OF INVENTION: ACTIVATABLE IMAGING PROBES  
10 <130> FILE REFERENCE: 00786-572001  
12 <140> CURRENT APPLICATION NUMBER: US 10/039,831  
13 <141> CURRENT FILING DATE: 2002-01-04  
15 <150> PRIOR APPLICATION NUMBER: US 60/277,352  
16 <151> PRIOR FILING DATE: 2001-03-19  
18 <150> PRIOR APPLICATION NUMBER: US 60/260,123  
19 <151> PRIOR FILING DATE: 2001-01-05  
21 <160> NUMBER OF SEQ ID NOS: 18  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 9  
27 <212> TYPE: PRT  
28 <213> ORGANISM: Artificial Sequence  
30 <220> FEATURE:  
31 <223> OTHER INFORMATION: Synthetically generated peptide  
33 <400> SEQUENCE: 1  
34 Gly Pro Ile Cys Phe Phe Arg Leu Gly  
35 1 5  
37 <210> SEQ ID NO: 2  
38 <211> LENGTH: 7  
39 <212> TYPE: PRT  
40 <213> ORGANISM: Artificial Sequence  
42 <220> FEATURE:  
43 <223> OTHER INFORMATION: Synthetically generated peptide  
45 <400> SEQUENCE: 2  
46 His Ser Ser Lys Leu Gln Gly  
47 1 5  
49 <210> SEQ ID NO: 3  
50 <211> LENGTH: 18  
51 <212> TYPE: PRT  
52 <213> ORGANISM: Artificial Sequence  
54 <220> FEATURE:  
55 <223> OTHER INFORMATION: Synthetically generated peptide  
57 <400> SEQUENCE: 3  
58 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Lys Gly Asp Glu Val Asp  
59 1 5 10 15  
60 Gly Cys  
63 <210> SEQ ID NO: 4  
64 <211> LENGTH: 4

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65 <212> TYPE: PRT  
66 <213> ORGANISM: Artificial Sequence  
68 <220> FEATURE:  
69 <223> OTHER INFORMATION: Synthetically generated peptide  
71 <400> SEQUENCE: 4  
72 Arg Arg Lys Cys  
73 1  
75 <210> SEQ ID NO: 5  
76 <211> LENGTH: 5  
77 <212> TYPE: PRT  
78 <213> ORGANISM: Artificial Sequence  
80 <220> FEATURE:  
81 <223> OTHER INFORMATION: Synthetically generated peptide  
83 <400> SEQUENCE: 5  
84 Gly Arg Arg Lys Cys  
85 1 5  
87 <210> SEQ ID NO: 6  
88 <211> LENGTH: 7  
89 <212> TYPE: PRT  
90 <213> ORGANISM: Artificial Sequence  
92 <220> FEATURE:  
93 <223> OTHER INFORMATION: Synthetically generated peptide  
95 <400> SEQUENCE: 6  
96 Gly Arg Arg Arg Arg Lys Cys  
97 1 5  
99 <210> SEQ ID NO: 7  
100 <211> LENGTH: 8  
101 <212> TYPE: PRT  
102 <213> ORGANISM: Artificial Sequence  
104 <220> FEATURE:  
105 <223> OTHER INFORMATION: Synthetically generated peptide  
107 <400> SEQUENCE: 7  
108 Gly Arg Arg Gly Arg Lys Cys  
109 1 5  
111 <210> SEQ ID NO: 8  
112 <211> LENGTH: 11  
113 <212> TYPE: PRT  
114 <213> ORGANISM: Artificial Sequence  
116 <220> FEATURE:  
117 <223> OTHER INFORMATION: Synthetically generated peptide  
119 <400> SEQUENCE: 8  
120 Gly Phe Gly Ser Val Gln Phe Ala Gly Lys Cys  
121 1 5 10  
123 <210> SEQ ID NO: 9  
124 <211> LENGTH: 7  
125 <212> TYPE: PRT  
126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Synthetically generated peptide

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131 <400> SEQUENCE: 9
132 Gly Phe Leu Gly Gly Lys Cys
133   1           5
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 9
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetically generated peptide
143 <400> SEQUENCE: 10
144 Gly Pro Leu Gly Val Arg Gly Lys Cys
145   1           5
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 11
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 155 <221> NAME/KEY: VARIANT
156 <222> LOCATION: (3)...(3)
157 <223> OTHER INFORMATION: Xaa = pipecolic
W--> 159 <400> 11
W--> 160 Gly Phe Xaa Arg Ser Gly Gly Gly Gly Lys Cys
161   1           5           10
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 11
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Synthetically generated peptide
171 <400> SEQUENCE: 12
172 Gly Phe Pro Arg Ser Gly Gly Gly Gly Lys Cys
173   1           5           10
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 31
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 183 <221> NAME/KEY: VARIANT
184 <222> LOCATION: (1)...(1)
185 <223> OTHER INFORMATION: Xaa = Phe or Tyr
W--> 187 <221> VARIANT
188 <222> LOCATION: (2)...(31)
189 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 191 <400> 13
W--> 192 Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
193   1           5           10           15
W--> 194 Xaa Leu Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa

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Input Set : A:\SEQUENCE LISTING.TXT

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197 <210> SEQ ID NO: 14
198 <211> LENGTH: 12
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 205 <221> NAME/KEY: VARIANT
206 <222> LOCATION: (1, 3, 5, 7, 9, 12)
207 <223> OTHER INFORMATION: Xaa = histidine, glutamic acid, or aspartic acid
W--> 209 <221> VARIANT
210 <222> LOCATION: (2, 4, 6, 8, 10, 11)
211 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 213 <400> 14
W--> 214 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
215      1          5          10
217 <210> SEQ ID NO: 15
218 <211> LENGTH: 8
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Synthetically generated peptide
225 <400> SEQUENCE: 15
226 Gly Arg Lys Lys Arg Gln Arg Arg
227      1          5
229 <210> SEQ ID NO: 16
230 <211> LENGTH: 9
231 <212> TYPE: PRT
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Synthetically generated peptide
237 <400> SEQUENCE: 16
238 Gly Arg Lys Lys Arg Arg Gln Arg Arg
239      1          5
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 9
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Synthetically generated peptide
249 <400> SEQUENCE: 17
250 Gly Val Arg Leu Gly Pro Gly Lys Cys
251      1          5
253 <210> SEQ ID NO: 18
254 <211> LENGTH: 11
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Synthetically generated peptide

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Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF3\06062002\J039831.raw

W--> 261 <221> NAME/KEY: VARIANT  
262 <222> LOCATION: (3)...(3)  
263 <223> OTHER INFORMATION: Xaa = pipecolic  
W--> 265 <400> 18  
W--> 266 Gly Phe Xaa Arg Pro Gly Gly Gly Gly Lys Cys  
267 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/039,831

DATE: 06/06/2002  
TIME: 11:03:03

Input Set : A:\SEQUENCE LISTING.TXT  
Output Set: N:\CRF3\06062002\J039831.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 3

Seq#:13; Xaa Pos. 1,2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27

Seq#:13; Xaa Pos. 28,29,30,31

Seq#:14; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12

Seq#:18; Xaa Pos. 3